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; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jiangchun
; TITLE OF INVENTION: Compositions for the Treatment and Diagnosis of Breast Cancer
; TITLE OF INVENTION: and Methods for their Use
; FILE REFERENCE: 210121.470
; CURRENT APPLICATION NUMBER: US/09/222.575
; CURRENT FILING DATE: 1998-12-28
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 44
; LENGTH: 160
; TYPE: DNA
; ORGANISM: Human
US-09-222-575-44

Query Match          3.9%; Score 130.8; DB 4; Length 160;
Best Local Similarity 97.9%; Pred. No. 1.2e-28;
Matches 143; Conservative 0; Mismatches 2; Indels 1; Gaps 1;

QY 1965 GACCTGTGCGCTGTGTCGA-GGACCAAGAACAGATCCACTCTGTGCTACA 2023
DB 15 GTCTTGTCGCTGTGTCGTCGAGGAGGACCAAGATCCACTCTGTGCTACA 74

QY 2024 ATGATTGACCTTCTCAGCAGCACTCCAACGACTTTCACATCACTTCTCGCTT 2083
DB 75 ATGATTGACCTTCTCAGCAGCACTCCAACGACTTTCACATCACTTCTCGCTT 134

QY 2084 TGGCAAAACCGTCACCTCTGCTGGA 2109
DB 135 TGGCAAAACCGTCACCTCTGCTGGA 160

RESULT 3
US-08-232-463-14
; Sequence 14, Application US/08232463
; Patent No. 5670367
; GENERAL INFORMATION:
; APPLICANT: DORNER, F.
; APPLICANT: SCHEFFELINGER, F.
; APPLICANT: FALKNER, F. G.
; TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS
; NUMBER OF SEQUENCES: 52
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: 1800 Diagonal Road, Suite 500
; CITY: Alexandria
; STATE: VA
; COUNTRY: USA
; ZIP: 22313-0299
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/232.463
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/935.313
; FILING DATE:
; APPLICATION NUMBER: EP 91 114 300.6
; FILING DATE: 26-AUG-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: BENT, Stephen A.
; REGISTRATION NUMBER: 29,768
; REFERENCE/DOCKET NUMBER: 30472/114 IMMU
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703)836-9300
; TELEFAX: (703)683-4109
; TELEX: 899149
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
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; LENGTH: 7218 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; CLONE: PT29pt-F1s
US-08-232-463-14

Query Match          1.5%; Score 51.4; DB 1; Length 7218;
Best Local Similarity 8.4%; Pred. No. 0.00022;
Matches 37; Conservative 214; Mismatches 190; Indels 0; Gaps 0;

QY 1717 CAGAGGACCACTTTTCATGAGCAGCAGGAGTACACCAATGAGCTTCCAAATCTAC 1776
DB 1020 CACAGATTAATTCGAGAGCTTGCTGACAGGTGAGGAGACTTGCAATTTTTTTTTT 1079

QY 1777 TCCATCAATGTCACCAATGTTATGAATGGCGTGGCTCTACTGCCGTCCTGACCTTA 1836
DB 1080 TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT 1139

QY 1837 GAAGCCTCGATGTGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1896
DB 1140 TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT 1199

QY 1897 GATTGAGAACCTGCGACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1956
DB 1200 TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT 1259

QY 1957 GGTGTCCAGGCTGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2016
DB 1260 TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT 1319

QY 2017 TCCATCAATGATGACCTTCTCAGCAGCACTCCAACGAGACTTTCACATCACTTCTG 2076
DB 1320 TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT 1379

QY 2077 TCCGCTTGGCAACACGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2136
DB 1380 TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT 1439

QY 2137 AATATCTTCATCACTTAC 2157
DB 1440 AATATCTTCATCTTAAAC 1460

RESULT 4
US-09-249-585A-2/c
; Sequence 2, Application US/09249585A
; Patent No. 6417002
; GENERAL INFORMATION:
; APPLICANT: HORLICK, Robert
; TITLE OF INVENTION: METHOD FOR MAINTENANCE AND SELECTION OF EPISOMES
; FILE REFERENCE: 0867/0D905
; CURRENT APPLICATION NUMBER: US/09/249.585A
; CURRENT FILING DATE: 1999-02-11
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 2
; LENGTH: 1926
; TYPE: DNA
; ORGANISM: Epstein Barr Virus
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(1926)
; OTHER INFORMATION: coding strand of EBNA-1 DNA
US-09-249-585A-2

Query Match          1.3%; Score 45; DB 4; Length 1926;
Best Local Similarity 49.4%; Pred. No. 0.0074;
Matches 117; Conservative 0; Mismatches 120; Indels 0; Gaps 0;

QY 1689 CACTACACGAGCTTCACCTGGGCTTCCAGAGCACCTTTTCATGAGCAGCAGGAA 1748
DB 111 TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
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MOLECULE TYPE: DNA (genomic)
SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-620-925-1

Query Match
Best Local Similarity 49.4%; Score 45; DB 4; Length 9600;
Matches 117; Conservative 0; Mismatches 120; Indels 0; Gaps 0;

1689 CACTACACGAGCTTCACCTGGGCTTCAGAGACCACTTTTCATGAGGCAAGCAGGAA 1748
1534 CTCCTTCACGACTCCGCCCTTGCTCTTACGTCCTTACCCCGGCGCTCCACTAC 1475
1749 GTACACCAATGACGTTGCCAAGATCTACATCATGTCACCAATGTTATGAGGGGT 1808
1474 CTCCTGACCCCGGCTCCACTACCTCTGACACCCCGGCGCTCCACTCTGACACCC 1415
1809 GGCCTCTACGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1868
1414 GGCCTCTACGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1355

1869 TTGTCTGCTGTTACTATATATGACGAGATTGACGACCTGCTGCTGCTGCTGCTGCTG 1925
1354 CTCCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1298

RESULT 10
US-07-884-811-15/c
Sequence 15, Application US/07884811
Patent No. 5316921
GENERAL INFORMATION:
APPLICANT: Godowski, Paul J. Lokker, Nathalie A. Mark, Melanie R.
TITLE OF INVENTION: SINGLE-CHAIN HEPATOCYTE GROWTH FACTOR VARIANTS
NUMBER OF SEQUENCES: 21
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: palin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/884,811
FILING DATE: 19920518
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Dreger, Ginger R.
REGISTRATION NUMBER: 33,055
REFERENCE/DOCKET NUMBER: 755.1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-3216
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 10596 bases
TYPE: NUCLEIC ACID
STRANDEDNESS: single
TOPOLOGY: linear
US-07-884-811-15

Query Match
Best Local Similarity 49.4%; Score 45; DB 1; Length 10596;
Matches 117; Conservative 0; Mismatches 120; Indels 0; Gaps 0;

1689 CACTACACGAGCTTCACCTGGGCTTCAGAGACCACTTTTCATGAGGCAAGCAGGAA 1748
1534 CTCCTTCACGACTCCGCCCTTGCTCTTACGTCCTTACCCCGGCGCTCCACTAC 1475
1749 GTACACCAATGACGTTGCCAAGATCTACATCATGTCACCAATGTTATGAGGGGT 1808
1474 CTCCTGACCCCGGCTCCACTACCTCTGACACCCCGGCGCTCCACTCTGACACCC 1415
1809 GGCCTCTACGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1868
1414 GGCCTCTACGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1355

1869 TTGTCTGCTGTTACTATATATGACGAGATTGACGACCTGCTGCTGCTGCTGCTGCTG 1925
1354 CTCCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1298

RESULT 11
US-07-885-971-15/c
Sequence 15, Application US/07885971
Patent No. 5328837
GENERAL INFORMATION:
APPLICANT: Godowski, Paul J. Lokker, Nathalie A. Mark, Melanie R.
TITLE OF INVENTION: HEPATOCYTE GROWTH FACTOR PROTEASE DOMAIN VARIANTS
NUMBER OF SEQUENCES: 21
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: palin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/885,971
FILING DATE: 19920518
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Dreger, Ginger R.
REGISTRATION NUMBER: 33,055
REFERENCE/DOCKET NUMBER: 779
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-3216
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 10596 bases
TYPE: NUCLEIC ACID
STRANDEDNESS: single
TOPOLOGY: linear
US-07-885-971-15

Query Match
Best Local Similarity 49.4%; Score 45; DB 1; Length 10596;
Matches 117; Conservative 0; Mismatches 120; Indels 0; Gaps 0;

1689 CACTACACGAGCTTCACCTGGGCTTCAGAGACCACTTTTCATGAGGCAAGCAGGAA 1748
1534 CTCCTTCACGACTCCGCCCTTGCTCTTACGTCCTTACCCCGGCGCTCCACTAC 1475
1749 GTACACCAATGACGTTGCCAAGATCTACATCATGTCACCAATGTTATGAGGGGT 1808
1474 CTCCTGACCCCGGCTCCACTACCTCTGACACCCCGGCGCTCCACTCTGACACCC 1415
1809 GGCCTCTACGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1868
1414 GGCCTCTACGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1355

1869 TTGTCTGCTGTTACTATATATGACGAGATTGACGACCTGCTGCTGCTGCTGCTGCTG 1925
1354 CTCCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1298
```


;;
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Genentech, Inc.
;; STREET: 460 Point San Bruno Blvd
;; CITY: South San Francisco
;; STATE: California
;; COUNTRY: USA
;; ZIP: 94080
;;
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: patin (Genentech)
;;
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/194,087
;; FILING DATE: 18-MAY-1992
;; CLASSIFICATION: 435
;;
;; PRIORITY APPLICATION DATA:
;; APPLICATION NUMBER:
;; FILING DATE:
;;
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Dregler, Ginger R.
;; REGISTRATION NUMBER: 33,055
;; REFERENCE/DOCKET NUMBER: 779
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 415/952-9881
;; TELEFAX: 415/952-9881
;; TELEX: 910/371-7168
;; INFORMATION FOR SEQ ID NO: 15:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 10596 bases
;; TYPE: nucleic acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;;
;; US-08-194-087-15
;;
Query Match 1.3%; Score 45; DB 2; Length 10596;
Best Local Similarity 49.4%; Pred. No. 0.021;
Matches 117; Conservative 0; Mismatches 120; Indels 0; Gaps 0;
;;
QY 1689 CACTACACAGAGCTTCACCTGGGCGCTTCAGAGACCACTTTTCATGAGGACGACGAGAA 1748
DB 3068 CTCCTTCACAGACTTCCCGCCCGGCGCTTCACGCTCCTACCCCGGCGGCTCCACTAC 3009
QY 1749 GTACACCAATGACGTTGCCAAGATCTACTCATCATGTCACCAATGTTAATGATGGGT 1808
DB 3008 CTCCTGACACCGCGGCGCTCCACTACCTCCTCGACCCCGGCGCTCCCTCTCGACCTCC 2949
QY 1809 GGGCTCTACTGCGCTGCGCCGCTAGAGAGCTCTGATGTGGGCTCTCTCGACCTC 1868
DB 2948 GGGCTCCACTCTCTGCTCTGCGCCCTCGCTCGCTGCTGCTGCTGCTGCTGCTGCTG 2889
QY 1869 TTGCTCTGCTGTTACTATATATGACCGAGATTGAGACCTGCGACCTCTGCCCCC 1925
DB 2888 CTGCCCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2832
;;
RESULT 15
PCT-US93-04648-15/c
;; Sequence 15, Application PC/TUS9304648
;; GENERAL INFORMATION:
;; APPLICANT: Genentech, Inc., Godowski, Paul J., Lokker, Natalie A., Mark, Melanie R
;; TITLE OF INVENTION: HEPATOCTYTE GROWTH FACTOR VARIANTS
;; NUMBER OF SEQUENCES: 21
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Genentech, Inc.
;; STREET: 460 Point San Bruno Blvd
;; CITY: South San Francisco
;; STATE: California
;; COUNTRY: USA
;; ZIP: 94080
;;
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
;; COMPUTER: IBM PC compatible
;;

;;
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: patin (Genentech)
;;
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: PCT/US93/04648
;; FILING DATE: 19930517
;; CLASSIFICATION:
;;
;; PRIORITY APPLICATION DATA:
;; APPLICATION NUMBER: 07/884811
;; FILING DATE: 18-MAY-92
;;
;; PRIORITY APPLICATION DATA:
;; APPLICATION NUMBER: 07/885971
;; FILING DATE: 18-MAY-92
;;
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Dregler, Ginger R.
;; REGISTRATION NUMBER: 33,055
;; REFERENCE/DOCKET NUMBER: 755,779P1
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 415/952-9881
;; TELEFAX: 415/952-9881
;; TELEX: 910/371-7168
;; INFORMATION FOR SEQ ID NO: 15:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 10596 bases
;; TYPE: NUCLEIC ACID
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;;
;; PCT-US93-04648-15
;;
Query Match 1.3%; Score 45; DB 5; Length 10596;
Best Local Similarity 49.4%; Pred. No. 0.021;
Matches 117; Conservative 0; Mismatches 120; Indels 0; Gaps 0;
;;
QY 1689 CACTACACAGAGCTTCACCTGGGCGCTTCAGAGACCACTTTTCATGAGGACGACGAGAA 1748
DB 3068 CTCCTTCACAGACTTCCCGCCCGGCGCTTCACGCTCCTACCCCGGCGGCTCCACTAC 3009
QY 1749 GTACACCAATGACGTTGCCAAGATCTACTCATCATGTCACCAATGTTAATGATGGGT 1808
DB 3008 CTCCTGACACCGCGGCGCTCCACTACCTCCTCGACCCCGGCGCTCCCTCTCGACCTCC 2949
QY 1809 GGGCTCTACTGCGCTGCGCCGCTAGAGAGCTCTGATGTGGGCTCTCTCGACCTC 1868
DB 2948 GGGCTCCACTCTCTGCTCTGCGCCCTCGCTCGCTGCTGCTGCTGCTGCTGCTGCTG 2889
QY 1869 TTGCTCTGCTGTTACTATATATGACCGAGATTGAGACCTGCGACCTCTGCCCCC 1925
DB 2888 CTGCCCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2832
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Job time : 370 secs
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